

228-192

12/18/2014

1/10



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Matthew Granahan  
Nufarm Americas Inc.  
11901 S. Austin Ave.  
Alsip, IL 60477

DEC 18 2014

SUBJECT: Label Amendment  
Product Name: Riverdale MCPPP-4 Amine  
EPA Registration Number: 228-192  
Application Date: July 9, 2014  
Decision Number: 493256

Dear Mr. Granahan:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

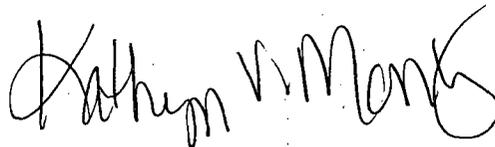
Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

Page 2 of 2  
EPA Reg. No. 8790-51  
Decision No. 491506

2/10

with FIFRA section 6. If you have any questions, please contact Dianne L. Morgan by phone at 703-305-6217, or via email at [morgan.dianne@epa.gov](mailto:morgan.dianne@epa.gov).

Sincerely,



Kathryn V. Montague  
Product Manager (23)  
Herbicide Branch  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure

3/10

# MCPP-p 4 AMINE

FOR USE ON LAWNS, GOLF COURSES AND ORNAMENTAL TURF

ACCEPTED  
 DEC 18 2014  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act, it was found that one pesticide registered under 228-192

**ACTIVE INGREDIENT:**

Dimethylamine Salt of (+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid\*‡ ..... 26.0%

**OTHER INGREDIENTS:** ..... 74.0%

**TOTAL:** ..... 100.0%

Isomer Specific Method, Equivalent to:

\*(+)-R-2-(2-Methyl-4-Chlorophenoxy)propionic Acid ..... 21.5%, 1.9 lbs/gal.

‡CONTAINS THE SINGLE ISOMER FORMS OF MECOPROP-p.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION – PRECAUCION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (If you do not understand the label, find someone to explain it to you in detail.)

**SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENT**

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300  
 For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-192  
 EPA EST. NO.

Manufactured For  
 NUFARM AMERICAS INC.  
 11901 S. AUSTIN AVE.  
 ALSIP, IL 60803



NET CONTENTS \_\_\_\_\_ GAL. ( \_\_\_\_\_ Liters)  
 [Designation as "NONREFILLABLE" or "REFILLABLE" for containers > 5 GAL]

000228-00192.20141202.EPA Amendment

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION / PRECAUCION**

Causes moderate eye irritation. May be harmful if swallowed. Avoid contact with skin, eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

**All mixers, loaders, applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If not such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS**

**Users Should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**FIRST AID**

<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>

**HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

**ENVIRONMENTAL HAZARDS**

This pesticide may adversely affect non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

This product has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Read the entire label before using this product. Use strictly in accordance with label precautionary statements and directions.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This product may be used on ornamental turf grasses with greater safety than 2,4-D. Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production or for research purposes.

**USE RESTRICTIONS**

Do not enter or allow entry until sprays have dried.

Do not apply this product through any type of irrigation system.

Do not use this product on or near desirable plants, including within the dripline of roots of desirable trees and shrubs, since injury may result.

Do not permit spray mist containing this product to drift onto them since even very small quantities of spray, which may not be visible, can cause severe injury during both growing and dormant periods.

Do not use the spray equipment for applying other materials to susceptible crops as injury may result.

**USE PRECAUTIONS**

Use care to avoid spray contact or drift to susceptible plants such as beans and other legumes, cotton, flowers, grapes, ornamentals, vegetables and other plants.

**SPRAY DRIFT MANAGEMENT**

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, air blast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Droplet Size**

Use only Medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles.

**Wind Speed**

Do not apply at wind speeds greater than 10 mph.

**Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

*Additional Requirements for groundboom application:*

Do not apply with a nozzle height greater than four feet above the target site.

**WEEDS CONTROLLED**

This product is safe to use on Washington, Toronto and Seaside bentgrasses, Kentucky and Merion bluegrasses. Apply this product on a warm calm day when weeds are growing vigorously. Use any suitable sprayer or watering can with fine nose to give a uniform cover of the weeds. Although this herbicide is relatively slow in action, it gives a superior result on more difficult to control weeds such as:

**MORE SUSCEPTIBLE WEEDS**

Controlled by 2-1/2 pints of this product per acre.

Bindweed	Dandelion	Plantain
Buttercup	Ground ivy	Ragweed
Cinquefoil	Lambsquarters	Spotted spurge
Clover	Mouseear chickweed	Thistle
Common chickweed	Pigweed	

**LESS SUSCEPTIBLE WEEDS**

Controlled by 3 pints of this product per acre. Repeat applications at half the recommended dosage may give better control.

Black medic	Knotweed	Purslane
Dock	Morningglory	Speedwell
Henbit	Pennywort	Yarrow

**PREPARATION OF THE SPRAY:** Fill half the spray tank with water; then add the required amount of this product. Mix thoroughly, adding the remainder of water during the operation.

<u>Rate of Use</u>	<u>Per 1,000 Square Feet</u>	<u>Per Acre</u>
Established greens	1 fluid ounce in 2-1/2 gallons of water	2-1/2 pints in 20 to 40 gallons of water
Established lawns, Golf fairways:	1-1/2 fluid ounces in 2-1/2 gallons of water	3.0 pints

**TIME OF APPLICATION:** To obtain the best results, this product must be applied when the weeds are most susceptible and conditions are such that no damage to the grasses will occur. Apply this product when the weeds are growing vigorously. During periods of drought weeds become more resistant to herbicides. Under the same conditions, fine grasses are more susceptible to this product, particularly when temperatures exceed 90°F. This chemical is absorbed by the foliage of broadleaf weeds and is translocated throughout the whole plant to roots, etc. where it eventually causes death of the plant. Do not cut or mow the lawn 2 or 3 days before or after treatment so that maximum uptake and translocation can occur. Do not spray if rain is likely, otherwise the chemical may be washed off before absorption has taken place. For the same reason, do not water the lawn for at least 24 hours after application.

Better control of the weeds classified as Less Susceptible Weeds may be obtained with repeat a application of half the recommended dose not more than 30 day interval.

This product is not recommended for St. Augustine grass and Centipedegrass, as it can cause damage to these species. Do not use this product on newly sown lawns or turf until grasses are well established. Reseed no sooner than three to four weeks after application of this product. Avoid drift onto other plants and do not use the first cuttings after treatment as a mulch for flowers and vegetables.

**Limitations and Restrictions:**

- For broadcast treatments, do not apply more than 3 pints of product per acre per application. Do not make more than 2 applications per year with a minimum of 30 days between applications.
- For spot treatments do not apply more than 5 pints of product per acre per application. Do not make more than 2 applications per year with a minimum of 30 days between applications. Broadcast application is prohibited at this rate. A spot treatment is defined as a treatment area not greater than 1,000 square feet per acre.

### STORAGE AND DISPOSAL

Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

**PESTICIDE STORAGE:** Always store pesticides in a secured warehouse or storage building. Do not store near seeds, fertilizers, insecticides or fungicides. Store at temperatures above 32F. If allowed to freeze, remix before using. This does not alter this product. Containers should be opened in well-ventilated areas. Keep containers tightly sealed when not in use.

**PESTICIDE DISPOSAL:** Pesticides wastes are acutely hazardous. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

#### CONTAINER HANDLING:

**[Note to Reviewer:** The following statement will be included on all Final Printed Labels bearing multiple Container Disposal (Container Handling) statements] **“NOTE:** This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable “No refillable” or “Refillable” designation. Follow the container disposal [handling] instructions below that apply to your container type / size.”

**[Note to Reviewer:** The bracketed section headers will be included when multiple container types / sizes are listed on the label.]

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**[Nonrefillable containers 5 gallons or less:]** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

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**[Nonrefillable containers larger than 5 gallons:]** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

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**[Refillable containers larger than 5 gallons:]** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

**LIMITATION OF LIABILITY**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

**If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.**

(RV120214)

[GET THE OPTICAL ADVANTAGE is a registered trademark of Nufarm Americas Inc.]

9/10

**OPTIONAL MARKETING CLAIMS – FRONT PANEL**

**GET THE OPTICAL ADVANTAGE®**

This product contains a purified form of MCPP known as the optical isomer, which is the portion of the molecule active as an herbicide. The Optical Advantage ® is not associated with user eye safety.

**OPTIONAL MARKETING CLAIMS**

Grow a better tomorrow.

Nufarm Grow a better tomorrow.

10/10

**LABEL HISTORY**

<b>FILE NAME</b>	<b>REVISION MARK</b>	<b>COMMENTS</b>
000228-00192.20110324.MASTER	RV032411	Reregistration
000228-00192.20140709.EPA Amendment	RV070914	EPA Amendment per EPA Letter dated March 24, 2014
000228-00192.20141202.EPA Amendment	RV120214	EPA Review